

Goals for the extra credit velocity project

1) calculate your AVERAGE time to school using the travel journal below

2) Make sure the units are "miles per hour" (mi/hr) by dividing "minutes" by 60.

Example: 15 minutes / 60 = 0.25 hours

3) Use Google Maps to find directions from your house to school.

Notice the COMPASS DIRECTION and the DISTANCE

4) Print the map that shows the route

5) Calculate your average VELOCITY TO SCHOOL for the five days you measured. SHOW ALL YOUR CALCULATIONS AND FORMULAS

**City Hall to George Washington HS:
10175 Bustleton Avenue, Philadelphia, PA 19116**



**Distance & direction:
20.2 miles NE**

**Average time:
42 minutes/ 60
= 0.7 hours**

**Average
velocity = 20.2
miles NE / 0.7
hours = 29
miles per hour
NE**